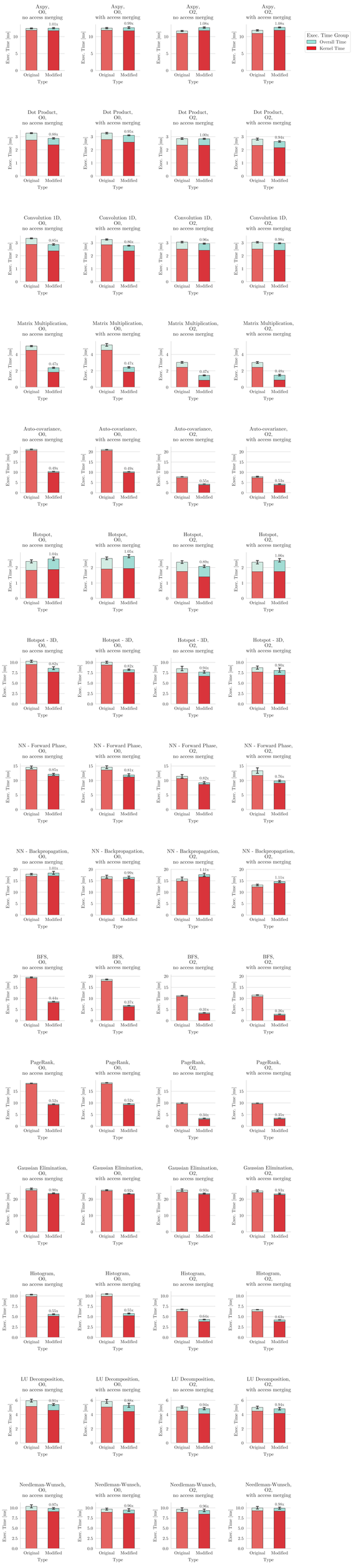
Axpy, O0, no access merging
1.01x
Axpy, O0, with access merging
0.99x
Axpy, O2, no access merging
1.08x
Axpy, O2, with access merging
1.08x
Exec. Time Group
Overall Time
Kernel Time
Dot Product, O0, no access merging
0.88x
Dot Product, O0, with access merging
0.95x
Dot Product, O2, no access merging
1.00x
Dot Product, O2, with access merging
0.94x
Convolution 1D, O0, no access merging
0.85x
Convolution 1D, O0, with access merging
0.86x
Convolution 1D, O2, no access merging
0.96x
Convolution 1D, O2, with access merging
0.98x
Matrix Multiplication, O0, no access merging
0.47x
Matrix Multiplication, O0, with access merging
0.47x
Matrix Multiplication, O2, no access merging
0.47x
Matrix Multiplication, O2, with access merging
0.48x
Auto-covariance, O0, no access merging
0.49x
Auto-covariance, O0, with access merging
0.49x
Auto-covariance, O2, no access merging
0.55x
Auto-covariance, O2, with access merging
0.53x
Hotspot, O0, no access merging
1.04x
Hotspot, O0, with access merging
1.05x
Hotspot, O2, no access merging
0.89x
Hotspot, O2, with access merging
1.06x
Hotspot - 3D, O0, no access merging
0.82x
Hotspot - 3D, O0, with access merging
0.82x
Hotspot - 3D, O2, no access merging
0.94x
Hotspot - 3D, O2, with access merging
0.90x
NN - Forward Phase, O0, no access merging
0.85x
NN - Forward Phase, O0, with access merging
0.81x
NN - Forward Phase, O2, no access merging
0.82x
NN - Forward Phase, O2, with access merging
0.76x
NN - Backpropagation, O0, no access merging
1.01x
NN - Backpropagation, O0, with access merging
0.99x
NN - Backpropagation, O2, no access merging
1.11x
NN - Backpropagation, O2, with access merging
1.11x
BFS, O0, no access merging
0.44x
BFS, O0, with access merging
0.37x
BFS, O2, no access merging
0.31x
BFS, O2, with access merging
0.26x
PageRank, O0, no access merging
0.52x
PageRank, O0, with access merging
0.52x
PageRank, O2, no access merging
0.34x
PageRank, O2, with access merging
0.35x
Gaussian Elimination, O0, no access merging
0.90x
Gaussian Elimination, O0, with access merging
0.92x
Gaussian Elimination, O2, no access merging
0.93x
Gaussian Elimination, O2, with access merging
0.93x
Histogram, O0, no access merging
0.55x
Histogram, O0, with access merging
0.55x
Histogram, O2, no access merging
0.64x
Histogram, O2, with access merging
0.63x
LU Decomposition, O0, no access merging
0.91x
LU Decomposition, O0, with access merging
0.88x
LU Decomposition, O2, no access merging
0.94x
LU Decomposition, O2, with access merging
0.94x
Needleman-Wunsch, O0, no access merging
0.97x
Needleman-Wunsch, O0, with access merging
0.96x
Needleman-Wunsch, O2, no access merging
0.96x
Needleman-Wunsch, O2, with access merging
0.98x
Exec. Time [ms]
Type
Original
Modified